### From the INTERNATIONAL SEARCHING AUTHORITY

To:

TAIYO, NAKAJIMA & KATO Attn. Nakajima, Jun HK-Shinjuku Bldg., 7th Floor, 3-17, Shinjuku 4-chome, Shinjuku-ku, Tokyo 1600022 JAPAN

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

25/11/2004

Date of mailing (day/month/year)

FOR FURTHER ACTION

International filing date (day/month/year)

07/02/2005

See paragraphs 1 and 4 below

Applicant's or agent's file reference

CO-F03095-00

International application No. PCT/JP2004/017905

Applicant

JAPAN SCIENCE AND TECHNOLOGY AGENCY

The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

### 4. Reminders

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.

Fax: (+31-70) 340-3016

Authorized officer

Laura Fernández Gómez

AVAIL

#### **NOTES TO FORM PCT/ISA/220**

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

#### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

## How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

## What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

## The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
   "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

## Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

## Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER  ACTION as we	see Form PCT/ISA/220 Il as, where applicable, item 5 below.
CO-F03095-00 International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/JP2004/017905	25/11/2004	01/12/2003
Applicant		
JAPAN SCIENCE AND TECHNOLO	OGY AGENCY	
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Autonomitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	· · · · · · · · · · · · · · · · · · ·
X It is also accompanied by	a copy of each prior art document cited in this	report.
language in which it was filed, unl		sis of the international application in the  " lation of the international application furnished to
	• • • • • • • • • • • • • • • • • • • •	in the international application, see Box No. I.
b		
2. Certain claims were four	nd unsearchable (See Box II).	
3. X Unity of invention is lack	ring (see Boy III)	
3. X Unity of invention is lack	ing (see Dox in).	
4. With regard to the title,		
X the text is approved as sul	omitted by the applicant.	
the text has been establish	ned by this Authority to read as follows:	
	·	*
	•	
•		•
E With regard to the chetrant	•	
5. With regard to the abstract,  The text is approved as substract.	omitted by the applicant	
	ed, according to Rule 38.2(b), by this Authori	ty as it appears in Box No. IV. The applicant
may, within one month from	n the date of mailing of this international sear	ch report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pu	iblished with the abstract is Figure No.	
as suggested by th	e applicant.	
as selected by this	Authority, because the applicant failed to sug	gest a figure.
as selected by this	Authority, because this figure better character	erizes the invention.
b. X none of the figures is to be	published with the abstract.	

## INT NATIONAL SEARCH REPORT

Internacional Application No PCT/JP2004/017905

A. CLASS IPC 7	COSF114/18 COSF214/18 CO7D31	7/16	
		•	
According	o International Patent Classification (IPC) or to both national class	ification and IPC	·
	SEARCHED		
Minimum d IPC 7	ocumentation searched (classification system followed by classific COSF	cation symbols)	
			had
Documenta	tion searched other than minimum documentation to the extent the	al such documents are iliciuded til tile issus s	earched
Electronic o	lata base consulted during the international search (name of data	base and, where practical, search terms used	d) "
EPO-In	ternal, CHEM ABS Data, WPI Data		. 4
			•
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
Α	JOURNAL OF THE AMERICAN CHEMICAL vol. 125, 18 April 2003 (2003-0- pages 5590-5591, XP002314044 the whole document		1-8
T	JOURNAL OF POLYMER SCIENCE, PAR	T A POLYMER	1-8
•	CHEMISTRY, vol. 42, no. 20, 2004, pages 518		
	XP002315310 the whole document		
-			1.0
1 .	MACROMOLECULES, vol. 37, no. 2,		1-8
	17 December 2003 (2003-12-17), r 254-255, XP002315311 the whole document	pages	
			. •
			· · · · · · · · · · · · · · · · · · ·
Furth	er documents are listed in the continuation of box C.	Patent family members are listed in	n annex.
	egories of cited documents :	"T" later document published after the inter- or priority date and not in conflict with	mational filing date
conside	at defining the general state of the art which is not red to be of particular relevance ocument but published on or after the international	cited to understand the principle or the invention	ory underlying the
filing da		"X" document of particular relevance; the cl cannot be considered novel or cannot involve an inventive step when the doc	be considered to
which is citation	cited to establish the publication date of another or other special reason (as specified)	"Y" document of particular relevance; the cl cannot be considered to involve an inv document is combined with one or mo	entive step when the
other m	nt referring to an oral disclosure, use, exhibition or eans It published prior to the international filing date but	ments, such combination being obviou in the art.	s to a person skilled
later tha	n the priority date claimed	"&" document member of the same patent f	<del> </del>
	ctual completion of the international search	Date of mailing of the international sear	cn report
27	January 2005	07/02/2005	· · · · · · · · · · · · · · · · · · ·
Name and ma	iiling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer	
	Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Baekelmans, D	

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3,6-8

A polymer comprising polymerized units derived from 2-(difluoromethylene)-1,3-dioxolane.

2. claim: 4

A method for producing 2-(difluoromethylene)-1,3-dioxolane by reaction of 2-chloro-2,2-difluoroethane-1,1-diol with a compound represented by formula (3).

- 3. claim: 5

A method for producing 2-(difluoromethylene)-1,3-dioxolane by reaction of 2-chloro-2,2-difluoroacetaldehyde and ethyleneoxide.

## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/017905

Box II Observations where certain claim	ns were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been es	stablished in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter no	ot required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the Intern     an extent that no meaningful International	national Application that do not comply with the prescribed requirements to such al Search can be carried out, specifically:
	a octaon can be earned ear, eperature,
3. Claims Nos.: because they are dependent claims and	are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Boy III Observations where unity of inver	ntion is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multip	ple inventions in this international application, as follows:
see additional sheet	*
As all required additional search fees were searchable claims.	re timely paid by the applicant, this International Search Report covers all
2 X As all searchable claims could be search	ed without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.	d without elloit judilying air additional to just a least, and the least
As only some of the required additional se covers only those claims for which fees we	earch fees were timely paid by the applicant, this International Search Report vere paid, specifically claims Nos.:
*	
No required additional search fees were tirrestricted to the invention first mentioned in	imely paid by the applicant. Consequently, this International Search Report is in the claims; it is covered by claims Nos.:
÷	
· · · · · · · · · · ·	
Remark on Protest	The additional coarse food word accompanied by the applicant's protest
Hemark on Frotest	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

## PATENT COOPERATION TREAL

From the INTERNATIONAL SEARCHING AUTHORITY

То	:	*		PCT		
	see form	PCT/ISA/220			TEN OPINION OF THE NAL SEARCHING AUTHORIT	ΓΥ
	•			(PCT Rule 43 <i>bis</i> .1)		
	•		•	Date of mailing		
		, '		(day/month/year) see form PCT/ISA/210 (second sheet)		
1	Applicant's or agent's file reference see form PCT/ISA/220			FOR FURTHER ACTION See paragraph 2 below		
,	rnational application T/JP2004/01790		International filing date (c 25.11.2004	Priority date (day/month/year) 01.12.2003		
	rnational Patent Clas BF114/18, C08F2		both national classification a	on and IPC		
	licant			· · · · · · · · · · · · · · · · · · ·		
	PAN SCIENCE A	ND TECHNOL	OGY AGENCY			
1.	This opinion co	ontains indicatio	ons relating to the follo	wing items:	и -	
	⊠ Box No. I Basis of the opinion             □ Box No. II Priority					
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV Lack of unity of invention					
	Box No. V  Reasoned statement under Rule 43 <i>bis</i> .1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	☐ Box No. VI	Certain docume	·	,	*	
	☐ Box No. VII	Certain defects	in the international appl	ication		
	☐ Box No. VIII	Certain observa	tions on the internationa	al application		
2.	FURTHER ACTI	ON				
	If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
	For further options, see Form PCT/ISA/220.					
3.	For further details, see notes to Form PCT/ISA/220.					

Name and mailing address of the ISA:



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 Authorized Officer

Baekelmans, D

Telephone No. +49 89 2399-6059



ÛW 589977

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/017905

APZUREC'OPCT/PTO 31 MAY 2006.

_	Box No. I Basis of the opinion			
1.	<ol> <li>With regard to the language, this opinion has been established on the ba the language in which it was filed, unless otherwise indicated under this it</li> </ol>	asis of the int tem.	ernational applica	tion in
	□ This opinion has been established on the basis of a translation from tanguage , which is the language of a translation furnished for the (under Rules 12.3 and 23.1(b)).	the original la purposes of	anguage into the finternational sear	ollowing ch
2.	<ol><li>With regard to any nucleotide and/or amino acid sequence disclosed in necessary to the claimed invention, this opinion has been established on</li></ol>	the internal the basis of:	ional application a	and
	a. type of material:		•	
	☐ a sequence listing			
	☐ table(s) related to the sequence listing	٠.		-
	b. format of material:			
	☐ in written format		•	
	☐ in computer readable form			
	c. time of filing/furnishing:	• • •		
	contained in the international application as filed.	•	•	
	filed together with the international application in computer readab	ole form.		
	furnished subsequently to this Authority for the purposes of search	<b>h.</b>		
3.	In addition, in the case that more than one version or copy of a sequence has been filed or furnished, the required statements that the informatic copies is identical to that in the application as filed or does not go bey appropriate, were furnished.	ion in the sul	bsequent or addit	ionai
4.	4. Additional comments:			

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/017905

Box No. IV Lack of unity of	f invention		·		
In response to the invitation		A/206) to pay	additional fees	, the applicant h	as:
paid additional fe				N.	
•	· · · · · · · · · · · · · · · · · · ·				•
☐ paid additional fee	es under protest.				
not paid additiona	l fees.			٠.	
<ul><li>This Authority found that the applicant to pay addit</li></ul>	the requirement o	f unity of inve	ntion is not co	mplied with and	chose not to invite
3. This Authority considers that t	he requirement of	unity of inve	ntion in accord	ance with Rule 1	3.1, 13.2 and 13.3 i
					•
☐ complied with				·	•
□ not complied with for the for	llowing reasons:	•			
see separate sheet					
1. Consequently, this report has	heen established	in respect of	the following p	arts of the intern	ational application:
		,			
			,	. •	
☐ the parts relating to claims	Nos.				
		•		• •	
Box No. V Reasoned state industrial applicability; citati	ment under Rule ons and explana	43 <i>bis</i> .1(a)(i	) with regard rting such sta	to novelty, inve etement	ntive step or
. Statement					
	Van Claim	. 10			
Novelty (N)	Yes: Claims No: Claims			•	
		,			
Inventive step (IS)	Yes: Claims No: Claims				
	NO. Claims	•			
Industrial applicability (IA)	Yes: Claims				
	No: Claims	8			•
	•			- 00	
. Citations and explanations				•	

see separate sheet

## 10/580977

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/JP2004/017905

IAPZOREC' OPCT/PTO 31 MAY 2006

## Re Item IV

This Authority considers that there are 3 inventions covered by the claims indicated as follows:

Claims 1-3,6-8: a polymer comprising polymerized units derived from 2-(difluoromethylene)-1,3-dioxolane.

Claim 4:

a method for producing 2-(difluoromethylene)-1,3-dioxolane by reaction of 2-chloro-2,2-difluoroethane-1,1-diol with a compound represented by

formula (3).

Claim 5:

a method for producing 2-(difluoromethylene)-1,3-dioxolane by reaction

of 2-chloro-2,2-difluoroacetaldehyde and ethyleneoxide.

The common concept linking the 3 inventions is the 2-(difluoromethylene)-1,3-dioxolane compound. This compound is known from the prior art (see D1: Journal of the American Chemical Society, vol 125, pages 5590-5591; structure 7 and reference N° (6)), is therefore not novel and cannot form a single inventive concept linking the 3 inventions (Rule 13(1) PCT).

## Re Item V

None of the prior art documents cited in the international search report discloses nor suggests the subject-matter of claim 1 of the present application, i.e. a new fluorinated polymer as disclosed in claim 1, presenting a high melting point, a high Tg and a very high thermal stability.

The subject-matter of claims 1-3,6-8 of the present application is therefore novel (Article 33(2) PCT) and involves an inventive step (Article 33(3) PCT).

2. None of the prior art documents cited in the international search report discloses nor suggests the subject-matter of claim 4 of the present application.

D1 (Journal of the American Chemical Society, vol 125, pages 5590-5591; structure 7 and reference N° (6)) which is considered as the closest prior art, describes a method of synthesis of 2-(difluoromethylene)-1,3-dioxolane by reaction of 2-trifluoromethyl-1,3-dioxolane with butyllithium.

The subject matter of claim 4 of the present application differs from D1 in that the 2-(difluoromethylene)-1,3-dioxolane is obtained by reaction of 2-chloro-2,2-difluoroethane-1,1-diol with a compound represented by formula (3).

Moreover, D1 doesn't suggest this alternative synthesis of 2-(difluoromethylene)-1,3-dioxolane.

The subject-matter of claim 4 of the present application is therefore novel (Article 33(2) PCT) and involves an inventive step (Article 33(3) PCT).

3. None of the prior art documents cited in the international search report discloses nor suggests the subject-matter of claim 5 of the present application.

D1 (Journal of the American Chemical Society, vol 125, pages 5590-5591; structure 7 and reference N° (6)) which is considered as the closest prior art, describes a method of synthesis of 2-(difluoromethylene)-1,3-dioxolane by reaction of 2-trifluoromethyl-1,3-dioxolane with butyllithium.

The subject matter of claim 5 of the present application differs from D1 in that the 2-(difluoromethylene)-1,3-dioxolane is obtained by reaction of 2-chloro-2,2-difluoroacetaldehyde and ethyleneoxide.

Moreover, D1 doesn't suggest this alternative synthesis of 2-(difluoromethylene)-1,3-dioxolane.

The subject-matter of claim 5 of the present application is therefore novel (Article 33(2) PCT) and involves an inventive step (Article 33(3) PCT).

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/JP2004/017905

4. Industrial applicability is given (Article 33(4) PCT).

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